Source	Monitoring Requirement	Limit	Monitoring Results
S-55 Boiler	**Condition 20651**		
	2. Shall not operate S-55 boiler when more than two of the three cogen engines S-37, S-38, or S-39 are operating		Condition met. See Attachment 1 for boiler and engine data. .
	3. Boiler gross heat input	20.41 MMBtu/hr	Condition met. See Attachment 2. Heat input ranged from 14.4-18.4 MMBtu/hr.
	5a. NOx emission from boiler 5b. CO emission from boiler	30ppm 50ppm	See 19 for test results if annual tests run in monitoring period
	18. Daily records of hours of operation, fuel consumption		See Attachment 1 for hours and gas consumption.
	19. Annual performance test for emission limits in 5		Condition met – annual tests done 11/21/14 and 11/25/14 (repeated due to lack of BAAQMD notification during the first test). Attachment 3 contains test results.
S-37, S-38, S-39 Cogeneration Engines	**Condition 20651**		
	Emission limits – 6. NOx emissions from S-38 7. POC emissions from S-38 8. CO emissions from S-38 9. Filterable particulate emissions from S-38 10. NOx emissions from S-37 & S-39 11. CO emissions from S-37 & S-39	 1.25 g/hp-hr 0.6 g/hp-hr 3.0 g/hp-hr 0.085 g/hp-hr 70 ppmvd 2000 ppmvd	For items 6-11 see 19 for test results if annual tests run in monitoring period
	13. Thermal throughput per engine	25 MMBtu/hr	Condition met. See Attachment 2. Note: thermal throughput estimates were determined from power generation data and manufacturer curves for power vs energy. A new digester gas meter for the engines is being installed in early 2015 to measure gas flow directly.

Source	Monitoring Requirement	Limit	Monitoring Results
S-37, S-38, S-39 Cogeneration Engines (continued)	14. Combined hours of operation for S-37, S-38, and S-39	25,316 hours in any rolling 365 day period	Condition met. 14,184 hours in last year. See Attachment 2. Jan-Jun 2014: 7,314 hours Jul-Dec 2014: 6,870 hours
	15. Combined diesel consumption for S-37, S-38, and S-39	150,000 gallons in any rolling 365 day period	Condition met. 24,227 gallons in last year. See Attachment 2. Jan-Jun 2014: 12,661 gallons Jul-Dec 2014: 11,566 gallons
	18. Daily records of hours of operation, fuel consumption		Condition met. See Attachment 1 for records.
	19. Annual performance test for emission limits in 6-11		Condition met for engine #1 and engine #3. Engine #2 has been out of service most of monitoring period. The annual test was scheduled on 9/17/14, but the engine failed the night before the test and is pending repairs as of 12/31/2014.
S-48 Gasoline Dispensing Facility	**Condition 25107** The Static Pressure Performance Test (Leak Test) ST-38 shall be successfully conducted at least once in each twelve consecutive month period.		Condition met. Completed on 9/17/14. Results are included in Attachment 4.
	Condition 21663 Annual gasoline throughput	334,000 gal per year	Condition met. See Attachment 5. 1/1/14-6/30/14: 14,924 gal 7/1/14-12/31/14: 8,977 gal 1/1/14-12/31/14: 23,901 gal
S-49 Diesel Engine Back-up Generator (portable)	**Condition 19058** (BAAQMD permit) 4. Diesel fuel – sulfur content 5. Hours of operation	<0.5% by weight	No use in this period. This generator has been removed from service. Form DDU to close this permit was filed on 2/10/14.
S-50 Diesel Engine Back-up Generator	**Condition 22830** 1. Hours of operation	30 hours/year reliability-related hours	Condition met. Generator has not run in last 12 months. Refer to Attachment 6.

Source	Monitoring Requirement	Limit	Monitoring Results
S-51 Diesel Engine Back-up Generator	**Condition 22850** 1. Hours of operation	50 hours/year reliability-related hours	Condition met. Last 12 months reliability-related use is 11.7 hours. Refer to Attachment 6 for current period.
S-52 Diesel Engine Back-up Generator	**Condition 22820** 1. Hours of operation.	20 hours/year reliability-related hours	Condition met. Generator not run in last 12 months Refer to Attachment 6.
	Condition 19184 (BAAQMD permit) 2. Diesel fuel – sulfur content	<0.005% by weight	Condition met. All deliveries of diesel to Plant were CARB ULSD, 15ppm sulfur or less. See Attachment 7.
S-53 Diesel Engine Back-up Generator	**Condition 22830** 1. Hours of operation	30 hours/year reliability-related hours	Condition met. No reliability-related hours in last 12 months. Refer to Attachment 6 for current period.
S-54 Diesel Engine Back-up Generator	**Condition 22850** 1. Hours of operation	50 hours/year reliability-related hours	Condition met. Last 12 months reliability-related use is 0.2 hours. Refer to Attachment 6 for current period.
S-56 Turbine	**Condition 24050** 2. Total combined heat input	389,820 MMBtu in any 12-month period	Condition met. 360,603 MMBtu in last 12 months. Refer to Attachment 2. Jan-Jun 2014: 180,780 MMBtu Jul-Dec 2014: 179,823 MMBtu
	3. NOx emission limit 4. CO emission limit 5. SO2 emission limit	23 ppm (15-min) 100 ppm (15-min) 150 ppmv	Emission limits met. Refer to reports for items 7 and 8.
	7. Annual turbine source test		Condition met. Turbine annual test done on 12/17/14 by Blue Sky Environmental. Results are in Attachment 8.
	8. Monthly NOx and CO test		Condition met. Monthly test results are located in Attachment 8.

Source	Monitoring Requirement	Limit	Monitoring Results
S-100 Municipal Wastewater Treatment Plant	**Condition 21759** 1. Total wastewater flow	120 MGD monthly dry weather average 325 MGD monthly wet weather average	Condition met. Maximum monthly flow in period was 102 MGD. See Attachment 9.
S-110 Headworks **A-461 & A-462 Carbon Bed Scrubbers**	**Condition 17335** 3. Inlet and outlet H2S concentrations of carbon beds, as well as any other appropriate operating parameters shall be continuously monitored and reviewed on a daily basis to determine when carbon adsorption bed breakthrough is imminent or has been reached.		Monitoring results for inlet and outlet H2S and any noted outages are in Attachment 10. Maintenance records for scrubber are in Attachment 11.
S-170 Sludge handling	**Condition 18006** 1. Monitor and record on a daily basis the activated sewage sludge throughput through S-170.		Sludge throughput is recorded in Attachment 12. Maintenance records for the scrubber are in Attachment 11.
S-180 Anaerobic Digesters	**Condition 18860** 2. Monthly inspection of digesters 3. Sulfur content of digester gas 4. Weekly sampling and testing of digester gas for H2S 5. Hours of flaring per day	< 340 ppmv	Inspections conducted by Operations on daily rounds. Condition met. Refer to Attachment 13 for the H2S gas sampling records. Refer to Attachment 13. Refer to Attachment 2 for the hours of flaring per day.

Attachment Index:

1 Combustion Source Air Permit Data
2 Combustion Summaries – Boiler, Engines, Turbine, Flares
3 Boiler Annual Source Test Results
4 Gasoline Tank Static Pressure Test Results
5 Gasoline Facility Throughput
6 Hours of Operation for Stand-by Emergency Generators
7 Diesel Deliveries with Sulfur Content Certifications
8 Turbine Annual and Monthly Test Results
9 Monthly Wastewater Summary December 2014
10 IPS Carbon Bed Inlet/Outlet H2S Readings
11 Odor Scrubber Maintenance Records for S-170 and S-110
12 Activated Sludge Throughput for S-170
13 Digester Gas H2S Sampling